

IN THE CLAIMS

Please cancel claims 7 and 9 without prejudice. Claim 15 is new.

Please amend the following claims which are pending in the present application:

1. (Currently amended) A Bluetooth serial adapter comprising a Bluetooth connection module for conducting Bluetooth communication by transmitting and receiving Bluetooth radio frequency signals with another Bluetooth enabled device, and a serial connector allowing first serial port which allows connection of a serial cable between the adapter ~~[[and]]~~ to a device having a second serial port, [[and]] wherein the serial adapter further comprises a serial to Bluetooth interface arranged for:

receiving serial connection control commands input via the first serial connector port;

mapping received serial connection control commands to Bluetooth connection control events; and

outputting the so determined Bluetooth connection control events to the Bluetooth connection module.

2. (Currently amended) A Bluetooth serial adapter ~~according to~~ as claimed in claim 1, in which the serial to Bluetooth interface arranged for:

~~receiving Bluetooth connection control events from the Bluetooth connection module;~~

~~mapping received Bluetooth connection control events to serial connection control commands;~~

~~and outputting the so determined serial connection control commands to the serial connector for onward transmission to~~ wherein the first serial port has a serial connector which allows connection of a serial cable between the adapter and a device having a second serial port.

3. (Previously presented) A Bluetooth serial adapter according to claim 1 in which the set of serial connection control commands is smaller than the array of events provided in Bluetooth.

4. (Original) A Bluetooth serial adapter according to claim 3 in which each serial connection control command is mapped to a corresponding Bluetooth event but there is at least one Bluetooth event that has no corresponding serial connection control command.

5. (Currently amended) A Bluetooth serial adapter according to claim 1 in which the serial connection control commands comprise a command set having commands which are one of:

analogous to, directly related to, and substantially identical to, commands used in an industry standard command set used in controlling Modem connections.

6. (Previously presented) A Bluetooth serial adapter according to claim 1 in which the serial connection control commands comprise a set of AT commands.

7. (Cancelled)

8. (Previously presented) A Bluetooth serial adapter according to claim 1 in which the Bluetooth connection module comprises a Bluetooth chip carrying a programmable virtual machine programmed to act as the serial to Bluetooth interface.

9. (Cancelled)

10. (Currently amended) A method of communicating via a Bluetooth connection using a device with a serial port, comprising the step of using a Bluetooth serial adapter comprising a Bluetooth connection module for conducting Bluetooth communication by transmitting and receiving Bluetooth radio frequency signals with another Bluetooth enabled device, a ~~serial connector~~ first serial port connected ~~via a serial cable~~ to the device having a second serial port, and a serial to Bluetooth interface, the method further comprising the serial to Bluetooth interface carrying out the steps of:

receiving serial connection control commands from the device via the first serial ~~[[cable]] port~~;

mapping received serial connection control commands to Bluetooth connection control events; and

outputting the so determined Bluetooth connection control events to the Bluetooth connection module.

11. (Currently amended) ~~A method of communicating via a Bluetooth connection using a device with a serial port, comprising the step of using a Bluetooth serial adapter comprising a Bluetooth connection module for conducting Bluetooth communication with another Bluetooth enabled device, a serial connector connected via a serial cable to the device having a serial port, and a serial to Bluetooth interface, the method further comprising the serial to Bluetooth interface carrying out the steps of:~~

~~receiving Bluetooth connection control events from the Bluetooth connection module;~~

~~mapping received Bluetooth connection control events to serial connection control commands; and~~

~~outputting the so determined serial connection control commands via the serial cable to the device having a serial port. A method as claimed in claim 10, wherein the first serial port has a serial connector which is connected to the device having a second serial port via a serial cable and the serial to Bluetooth interface receives or outputs the serial connection control commands via the serial cable to the device having a second serial port.~~

12. (Currently amended) A virtual serial connection system between two devices each of which has a serial port, the system comprising a pair of Bluetooth serial

adapters according to claim 1, one of the adapters being connected to a first of the devices ~~via a first serial cable~~ and the other of the adapters being connected to the second of the devices ~~via a second serial cable~~, wherein the virtual serial connection is completed by Bluetooth communication between the two Bluetooth serial adapters.

13. (Currently amended) A computer program comprising code portions which when loaded and run on ~~computer~~ a Bluetooth serial adapter as claimed in claim 1 cause the ~~computer~~ Bluetooth serial adapter to carry out a method according to claim 10 ~~and/or to function as a serial to Bluetooth interface.~~

14. (Original) A computer readable data carrier such as a signal or a record medium for example RAM, ROM, EEPROM, a floppy disk, a hard disk, or a CD-ROM carrying a computer program according to claim 13.

15. (New) A virtual serial connection system as claimed in claim 12, wherein one of the adapters is connected to a first of the devices via a first serial cable and the other of the adapters is connected to the second of the devices via a second serial cable.